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OUTLOOK

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Goldhaber To Be Awarded Medal at Faculty/Staff Convocation



Jacob Goldhaber

Jacob K. Goldhaber, one of the primary architects of the rise to national prominence of College Park's mathematics department and a key member of the College Park faculty and administration for 29 years,

will receive the President's Medal at the Seventh Annual Faculty and Staff Convocation Tuesday, Oct. 23 at 3 p.m. in the Memorial Chapel.

Roald Sagdeev, new Distinguished Professor of Physics and Astronomy at College Park and former science advisor to Soviet President Gorbachev, will be the main speaker.

Associate staff members Linda Clement, Director of Admissions; Leonard B. Jankowski, Director of Campus Parking; Ronald Jones, Director of Procurement and Supply; and Jerry Lewis, Director of Intensive Educational Development, also will be honored for their outstanding contributions to the university.

In addition, for the first time at the Convocation, the contributions of a number of members of the classified staff will be recognized. Classified staff members being honored are: Susan Harris (Commuter Affairs), Dolores Mulligan (Undergraduate Studies), Patricia Moreland (Counseling), Sibylle Sampson (Physics and Astronomy) and Jacqueline Schwieler (Personnel Services).

The university's Distinguished Scholar-Teachers for 1990-91 also will be recognized during the convocation. They are: Ira Berlin, professor of history; Charles Butterworth, professor of government and politics; Richard Etlin,

professor of architecture; Nancie Gonzalez, professor of anthropology; and Anne Truitt, professor of art.

A reception will follow immediately after the event on the Chapel lawn.

Goldhaber, a Brooklyn native, came to the university in 1961 as a Research Associate Professor of Mathematics. In 1962, he became a professor of mathematics, an appointment he continues to hold.

From 1968 to 1977, Goldhaber served as chair of the Department of Mathematics. During his tenure, the department developed into one of the nation's most highly regarded programs, ranking in the top ten among public research universities in the most recent rankings by the National Academy of Sciences.

Twice, Goldhaber has served as Acting Dean of Graduate Research and Studies. He first held the post from 1984 to 1985 and assumed the position again in 1987 and is holding the post while a search is conducted for a permanent dean.

As acting dean, Goldhaber has distinguished himself by fostering a positive research environment and working to bring many distinguished scholars to the university. Among his innovations is creation of the Graduate School's Distinguished Lecture Series.

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SAT Scores Are Up: University Enrolls Brightest Class Ever

With a mean Scholastic Aptitude Test (SAT) score of 1087, this year's freshman class is the most academically talented group ever admitted to the state's flagship campus, the University of Maryland at College Park. The SAT averages for the 3,241 new first-year students represent a three-point gain over last year's freshman class, while their mean grade point average (GPA) at 3.0 on a 4.0 scale, remains unchanged from last year.

Among the new group of freshmen are 101 students admitted as part of a program for economically disadvantaged students paid for by state and federal funds. SATs for this group carry less weight than demonstrated motivation and academic achievement in high schools, according to admissions director Linda Clement. Last year, 78 disadvantaged students were admitted under the same guidelines, says Clement.

The mean freshman SAT score of all regularly admitted students is 1097, she says.

The new class totals 147 fewer students than the 1989 freshman class. Its minority enrollment is consistent with last year's figures at 15.0 percent African-American, 12.8 percent Asian, and 4.8 percent Hispanic and others.

The number of National Merit Scholars choosing to attend College Park is greater than the number attending any other public university in the state, with the total rising from 21 in 1989 to 34 this year. National Merit Scholars generally score among the top one or two percent on the SAT nationally and are among the highest-achieving high school graduates in the country.

As part of College Park's plan to reduce undergraduate

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Training of TAs on Agenda for Oct. 22 Campus Senate

The Campus Policy for the Training and Supervision of Teaching Assistants (Senate Document #89-90-20B) will be on the agenda for the next Campus Senate meeting on Monday, Oct. 22 from 3:30 to 6:30 in Room 0126 of Reckord Armory. Other items for discussion include: a name change for the Institute of Urban Studies, and information reports from committees on the Core Liberal Arts and Sciences Program and on Research. Call 405-5805 for information.

Convocation Honors Faculty and Staff

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"Jack Goldhaber is a superb choice for this honor," says President William E. Kirwan. "For many years, he has worked tirelessly to make this a great university. He's done this with a great sense of concern and passion for the people with whom he's worked. It is hard to capture in just a few words what he has meant to the university."

Among Goldhaber's significant accomplishments, Kirwan cites Goldhaber's contribution toward building of the mathematics department into a highly ranked program, his skillful management of graduate research funds, recruitment of outstanding new faculty members, and creation of the Distinguished Lecture Series.

"On a personal level, he has been mentor to me," says Kirwan, who was a faculty member in mathematics during Goldhaber's tenure as department chair. "He is a close friend, advisor and confidant."

Goldhaber will become the seventh person to receive the award, originally known as the Chancellor's Medal. Former Chancellor John B. Slaughter created the award in 1985 to honor those who have performed outstanding service to the university. Past winners are Paul Traver, founder and director of the UM Chorus; Donald Maley, retired chair of the Department of Industrial, Technological and Occupational Education; Richard Jacquith, retired Assistant Vice Chancellor for Academic

Affairs; J. Robert Dorfman, Vice President of Academic Affairs and Provost; Thomas M. Magoon, retired director of the Counseling Center; and Graciela Nemes, professor emerita of Spanish and Portuguese languages and literatures.

The Associate Staff honorees include:

- Linda Clement, a university employee for 16 years, who has been the Director of Admissions since 1982. She is being recognized for her central role in improving the quality of College Park's undergraduate student body and in increasing minority enrollment.

- Leonard Jankowski, a university employee for 20 years, who has been director of the Department of Campus Parking since 1981. He is being recognized for his effective management of the university parking system as the location of parking lots at the university shift with the construction of buildings on the sites of former lots.

- Jerry Lewis, a university employee for 18 years, has been Director of the Intensive Educational Development Program. He is being recognized for his efforts to help students from low income and low education backgrounds to perform successfully in college.

- Ronald Jones who has been Director of Procurement and Supply since 1981. He is being recognized for his innovative management of the university's procurement system and for conducting seminars on procurement that help departments order materials more

efficiently.

The following classified staff members are being honored:

- Sibylle Sampson, a university employee for 30 years, who is Director of Fiscal Operations for physics and astronomy. She is being recognized for the skillful management of the department's financial affairs.

- Jacqueline Schwier, a university employee for 23 years, who is supervisor of the Personnel Office II, Payroll Office. She is being recognized for her dedicated efforts to ensure that paychecks are delivered in a timely manner.

- Susan Harris, a university employee for 13 years, who is the account clerk for the Office of Commuter Affairs. She is being recognized for handling all purchasing, payables, travel and accounts for the Shuttle-UM System, the Office of Commuter Affairs and the National Clearinghouse for Commuter Programs while working on a part-time basis.

- Dolores Mulligan, a university employee for nine years, who is secretary to the Assistant Dean for Undergraduate Studies, General and Individual Studies. She is being recognized for her initiative in giving help and advice to students.

- Patricia Moreland, a university employee for 29 years, who is an administrative specialist II in the Counseling Center. She is being recognized for the key role she plays in operation of the center and her service activities such as serving on the Chancellor's Commission on Women and Campus Senate.

All members of the university community are invited to the Convocation and the reception that immediately follows.

Brian Busek

SAT Scores Are Up

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enrollment, the number of transfer admissions is also down, with a planned reduction from 3,051 a year ago to 2,813 this fall.

At 6,054 freshmen and transfers, this year's total new undergraduate student enrollment is within one percent of the target set by the enrollment reduction plan. Implementation of the plan has resulted in smaller classes and tougher admission standards, says Clement.

One result of higher admission standards is that the university now gathers more information about each applicant, she says. "So many talented students are applying that a good GPA and strong SATs no longer ensure automatic acceptance," says Clement. "This year, we're asking for a list of co-curricular activities and accomplishments and giving applicants the option of submitting a personal essay," she says.

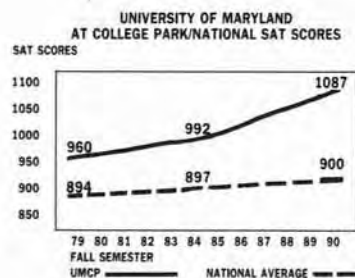
"In the future, we'll be able to recognize more students who not only earn good grades, but also demonstrate independence, individuality and initiative. It means more work for our admission counselors, but better admission

decisions for our applicants and for the university," she predicts.

Standards for transfer admission also have increased significantly as the university has taken steps to limit undergraduate enrollment, says Clement. "Five years ago, any transfer applicant with a 2.0 GPA would have been accepted, 'but that is hardly the case today.'"

At the same time that the university is raising its undergraduate admission standards, students admitted to College Park are getting a good education for their money. According to a survey just released in the fall 1990 issue of Money magazine's "Money Guide," the university remains a good buy in terms of college cost, with a tuition charge of just \$2,269 for in-state residents. The survey identified the colleges and universities that deliver the best education for the costs, and College Park ranked among the top 100 best college buys in the nation, according to the survey on "America's Best College Buys."

Roz Hiebert



OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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UNIVERSITY OF MARYLAND AT COLLEGE PARK

Graduate Minority Affairs Office to Host Visitation Program

Following its successful format from last year, the Office of Graduate Minority Affairs will again play host on Oct 21-23 to 150-200 minority undergraduate students from more than 40 colleges and universities who have been selected to visit the College Park campus because of their academic achievement and their interest in graduate school. The program is designed to give the visitors first-hand information about the graduate process and includes chances to talk with graduate directors, administrators and students. Dario Cortes, director, asks that faculty, staff and students be active participants in the campus-wide effort. Call him at 405-4183 for information.

NEWS

Sagdeev: Extending the International Language of Science

To Soviet physicist Roald Sagdeev, the speaker at the Faculty/Staff Convocation on October 23, science is an international language designed to bring the world's nations together. He believes that *glasnost*, the Russian word for openness, could be extended in definition to include openness for the entire world—in cooperative exchanges of scientific knowledge, resources and facilities.

Sagdeev has pushed for co-operation between the scientific communities of the Soviet Union and the Western nations for more than 30 years. He established his present ties to the University of Maryland more than 20 years ago when he first conducted plasma research with College Park physics professor and former department chair, Chuan Sheng Liu.

Since then, Sagdeev has had several exchanges with the university that have led to his recent joint appointment as a distinguished professor in the Department of Physics and Astronomy and with the Institute for Physical Science and Technology.

"My short time here at Maryland has already been a great pleasure," he says. "The university is becoming a central institution in the United States for international science and public affairs. We can make these areas continue to grow."

In addition to his appointment as distinguished professor, Sagdeev also will head the new East-West Science and Technology Center, which will work toward creating scientific and technological linkages between the United States, the Soviet Union and Eastern Europe. The center will operate on a \$100,000 budget during its first year, says Sagdeev.

"The center we are creating will be a clearinghouse designed to bring people together to discuss

and liberate different ideas from all parts of campus, with an international community in mind," Sagdeev says. "We hope to build a bridge between our campus community, industry, and the east."

"Dr. Sagdeev is going to greatly enhance our reputation as a leading physics department, and he will increase our cooperative ties with other Soviet physicists," says Derek Boyd, chair of the physics department.

"There is a straightforward story as to why I came across the ocean to Maryland," says Sagdeev. "It is partly because of my marriage to Susan Eisenhower, and largely because of Maryland's close proximity to Washington, D.C., where my wife is an international consultant." It is also the proximity of this university to Washington, D.C. that makes Sagdeev believe the university will gain the international reputation he believes it deserves.

Sagdeev himself brings an international reputation to the university. He is a world-renowned physicist specializing in nonlinear space plasmas. For ten years he was director of Moscow's Institute for Space Research. In that position he was a key science advisor to Soviet President Mikhail Gorbachov. Sagdeev was a key member of the Soviet Union's extraordinary space program during its key years of development in the 1950s and 1960s.

In the 1960s, Sagdeev led a Soviet delegation to the Trieste Center for Theoretical Physics, which collaborated with an American team. The meeting was, at that time, the most extensive and fruitful collaboration to occur between Soviet and American physicists in controlled fusion theory. And under Sagdeev's directorship of the Institute for Space Physics, many of the most dramatic advances in

space exploration occurred, including a dramatic satellite encounter with Halley's Comet.

In addition to his scientific achievements, Sagdeev is a member of the Soviet Union's Congress of People's Deputies. In his role as advisor to Gorbachov, he has been an outspoken proponent for international security and disarmament, and he is a strong and influential spokesman on global environmental and energy issues.

Sagdeev and his wife Susan Eisenhower have written several articles for major newspapers and magazines about the changing situation in the Soviet Union and Eastern Europe and the effects of these changes on the rest of the world.

Sagdeev also is writing his memoirs about his life as a scientist in the Soviet Union. He expects to have the project completed in a couple of months and to see publication in about a year.

Maryland's new distinguished professor of physics is a graduate of Moscow State University. He has worked at the Institute of Nuclear Physics in Novosibirsk, the Institute of High Temperature Physics in Moscow, and as a professor of physics at Novosibirsk State University and Moscow Physico-Technical Institute. He is chair of the Committee of Soviet Scientists for Global Security.

He also is a member of the Academy of Sciences of the U.S.S.R. and is a foreign member of the American National Academy of Sciences.

He has lengthy experience as a physics instructor at both the graduate and undergraduate levels and is teaching graduate students in plasma physics this semester at the university.

Fariss Samarrai



Roald Z. Sagdeev

Gudelsky Veterinary Center to be Dedicated Oct. 26

The Gudelsky Veterinary Center, a \$12.5 million building completed this year, is the new home of the Maryland Campus of the Virginia-Maryland College of Veterinary Medicine. The center will be dedicated Oct. 26 at 2 p.m.

President William E. Kirwan, Maryland Secretary of Agriculture Wayne A. Cawley, Jr. and other dignitaries from both states will participate in the ceremonies.

When the college moved its components into the center, it was the first time since 1938 that all members of the college were housed together. The center is designed as a state-of-the-art research, teaching, and service facility supporting future programs to meet the needs of agribusiness and veterinary medicine in the state of Maryland.

The center houses three units: the Maryland Campus of the Regional Veterinary College, the Animal Health Diagnostic Laboratory of the Maryland Department of Agriculture, and the Maryland Racing Commission Drug Testing Laboratory.

Last April, the college was awarded full accreditation by the American Veterinary Medical Association (AVMA). "Full" accreditation represents the highest level of the AVMA accreditation process. The college achieved this prestigious goal just prior to celebrating its 10th anniversary.

"The college's new status as a fully accredited institution will enhance student and faculty recruitment, help procure externally funded research grants, and assist in fund-raising," says Sashi Mohanty,

associate dean of the college's Maryland campus.

Mohanty adds that the outstanding efforts by the administration of this university and officials of both Maryland and Virginia have helped bring about the recognition of the college. "Their endeavors were critical in achieving full accreditation," he says.

Also, during the past year a new academic agreement was negotiated between the University of Maryland at College Park and Virginia Tech, and has been signed by the governors of the two states. A major curriculum program in Government and Corporate Veterinary Medicine is managed through the Maryland Campus of the college, and a program in Production Maintenance Medicine currently is being established.

Creating a Common Ground

A dialogue on the problems between Korean-Americans and African-Americans, the impact they have on those communities and opportunities for promoting better cultural understanding between them will be held Thursday, Oct. 18 at 7:30 p.m. in room 1143 of the Stamp Student Union. A panel moderated by Tsze Chan of the Afro-American Studies Program will discuss the issues. Panelists include: Margo Okazawa-Rey, associate professor, San Francisco State University and member of the African Asian Relations Council, Seung Kyung Kim, associate professor, Women's Studies Program, Joel Wilson, first vice president, Black Student Union, and Connie Lee, the Korean Student Association. For details, call 405-2842.

Bill Brandwein: Tech Supervisor at Tawes and Then Some

Bill Brandwein's official title is "technical supervisor" for Tawes Theatre, but don't let the name fool you.

"There's not a job description out there that would encompass everything I do," says the energetic 34-year-old. So what does he do, exactly? That depends on what's happening on the Tawes, the Pugliese, and the Experimental Stages. "For the theater department, I maintain the theaters. I make sure all the equipment is working properly," he explains. "For outside productions, I'm the stage manager and production manager. I also do all the computer work and oversee the sound and lighting for every show."

Though Brandwein has spent some time on the other side of the spotlight, he says he contributes at least as much to productions now.

"The technical aspect is the most important in the theater," he says. "If an actor flubs a line, the audience forgives him, if they notice at all. But what if an actress goes to turn on a lamp, and the lamp across the room comes on? At best, technical mistakes ruin the illusion."

Brandwein tries to instill this sense of urgency in his student assistants. "I remind them that everything they do here will be seen by thousands who paid to see it. The audience is intolerant of technical mistakes."

He supervises a regular crew of six students, who help him maintain the theaters, and an additional 15 or 20 during productions. In five years of overseeing novice set builders and light hangers, there's never been a serious injury. "One thing I stress is safety," he says, acknowledging the potential for danger when students work with power tools, nail guns, and 30-foot ladders.

Brandwein entered the university as a freshman in 1974, and never left. Schooled in technical theater, electrical engineering, and acoustics, he spent the first seven years after his graduation in the physics department, working with Richard Berg, host of the highly popular "Physics is Phun" educational series. Brandwein assisted in developing several ideas for the demonstrations which are scheduled four times a year. "We helped put showmanship in physics," he says proudly.

In 1985, he signed on with the theater department as technical supervisor, a position enhanced by his scientific background. "For this equipment," he says, gesturing toward a mammoth black panel dotted with brightly-colored knobs, "you need an engineering background to understand it and a theatrical background to use it."

This combination of skills helped him win a scholarship for outstanding contribution to the the-



Bill Brandwein

ater. Bill Patterson, manager of Tawes Theatre, remembers one undergraduate accomplishment in particular. "He created 'Tinkerbell,'" recalls Patterson. "On Broadway, they do it with a spotlight going around the stage. But Bill wired the

stage with twinkling lights to make it appear that she was flying around the room. It was magical! The audience loved it."

Since coming to Tawes, Brandwein has replaced or rebuilt all of the lighting and most of the sound equipment, also finding time to computerize the box office's accounting records system. On the side, he has done some freelance troubleshooting for area nightclubs, including Lost and Found, Cagney's, and the now defunct The Pier. He says most of the requests he gets from clubs are to repair their sound or lighting systems, although some want him to design them.

But it doesn't look like he'll have much time for outside work this year. "The theatres will be in use every night this semester," he says, ticking off a list on his fingers. "Rosh Hoshana and Yom Kippur services, Latin Day for high school kids, the Miss Black Unity pageant."

Not to mention the in-house productions. University Theatre will present six shows this season, all of which mean months of fine-tuning. "It's not unusual to practice two hours for every minute of the show," says Brandwein, who compares working on a show to giving birth. The payoff for the weeks of perfecting the lighting and sound cues is invisibility.

"If we do a perfect job, nobody knows we're there."

Susie Powell

Forces Behind the Scenes

University Theatre will present six plays this season. Lanford Wilson's "The Rimers of Eldritch," John Pielmeier's "Agnes of God," and Caryl Churchill's "Top Girls" will appear at Pugliese Theatre, while Charlie Smalls' "The Wiz," George Bernard Shaw's "Major Barbara," and Shakespeare's "The Taming of the Shrew" take the stage at Tawes.

The only musical, "The Wiz," is shaping up to be the most difficult to mount. "The Wiz" will stretch to the limits the talents of everybody involved, because it's such a high volume rock & roll musical," says Bill Brandwein, technical supervisor of Tawes Theatre, who will orchestrate the lighting and sound for all productions.

Here's a look at some of the other talent behind the scenes:

Bill Patterson, theatre manager since 1974. Supervises University Theatre publicity, public relations, and fundraising for the theatre's scholarship program. Also teaches class in theater management.

David Kriebs, technical director. In charge of all technical aspects of University Theater: set design, cos-

tumes, lighting, sound. "He directs everything but the actors," says Bill Brandwein. Kriebs puts it another way. "I'm the one who takes a scene designer's ideas and turns them into a structural reality," Kriebs told *Outlook* in a 1988 interview.

Dan Wagner, lighting designer. A Maryland alumnus, Wagner is also the resident designer for Washington's Studio Theater.

Mike Stepowany, scene shop supervisor. Oversees set construction; also the set designer for "The Wiz."

Dina Donnelly, costume shop supervisor. Supervises construction of all costumes. Also teaches costume construction and history. "The big challenge this year is blood," says Donnelly. "We have three shows this year with blood in them, so we're trying to develop something that won't stain the clothes."

Helen Huang, costume designer. In charge of designing costumes and directs the student efforts at costume design.

Susie Powell

Visiting Expert to Discuss the Artistry of Pianist Lili Kraus

A noted expert and collector, Frans Schreuder of the Rotterdam Conservatorium in The Netherlands, will present a two-part lecture with recorded examples on the artistry of the distinguished Hungarian pianist, Lili Kraus. The event will take place in the International Piano Archives at Maryland, Room 3216 Hornbake, on Wednesday, Oct. 17 and is open to the public. Part I starts at 11:30 a.m.; Part II at 2 p.m. Call 405-9215 for information.



ARTS

"It's Not Just a Choir... It's a Family."

College Park audiences who enjoyed the Maryland Gospel Choir's first album, "Jesus Loves Me," released in August, will have the opportunity to hear the group perform in person at their annual Gospel Extravaganza in the Adult Education Auditorium October 27.

The Extravaganza tradition unites gospel choirs from predominantly white campuses to sing and share fellowship together without competition, according to director Valeria Foster. "Our [the choir's] existence is more than just a social gathering; it's a support group," said Foster. "The purpose is to bring them together, and hopefully they will get some inspiration that they can take back to campuses."

Foster, who has directed the choir for almost ten years, has invited choirs from Hood College, George Mason, George Washington and Georgetown Universities, and the U.S. Naval Academy to perform. The groups do not just sing; they also encourage each other.

"Competition is often what's stressed on campuses instead of fellowship," said Foster. "Not everyone has a good year, but [the Extravaganza] is not a time to be discouraged."

Founded by students in 1975, and later directed by gospel recording artist Richard Smallwood, the College Park choir has performed at various churches and community functions in New Jersey, Pennsylvania, Georgia, Virginia, and Washington, D.C.

The choir provided background vocals for "Purlie" [February 1989], the first black musical produced at College Park, and is scheduled to sing for the November production of "The Wiz."

Besides singing, the choir participates in community service projects.

"I think one of the nicest things about the choir is that we don't just get together and sing," said Foster. "We do group things. One Saturday we were big brothers and big sisters to foster children, we've collected clothes for the homeless, and one year a small group of us tutored inmates in jail. We often tutor each other. If a member is struggling in a particular class and



The Maryland Gospel Choir is directed by Valeria Foster.

LARRY CROUSE

someone else can help, they do. A Bible study group [co-sponsored by the Black Ministries Program] meets twice a month [during the academic year]."

The choir also has won awards.

At the Nyumburu Cultural Center Black Awards Night last May, the choir received the Black Student Organization of the Year Award. One of the choir's most outstanding accomplishments, however, was the recording of its first album in February. The album includes a variety of gospels and spirituals including "Jesus Loves Me," "Ezekial Saw De Wheel," "Christ Is Blessing Me" and many more.

"I am excited," said Nyumburu director Otis Williams. "This [the album] should enhance the visibility of the choir and help recruit more minority students to Maryland."

Although the album was just released, the choir is hopeful of a positive response and would like to record again in the future.

"I won't say how soon," Foster continued, "because we haven't really got this one out yet. This being the first one, there's a lot to be learned and a lot to do; we're mainly getting some experience now."

The choir, which has expanded in number to over 100 members including several alumni, has grown together socially and spiritually as well. Its members have

often been referred to as positive role models for young blacks.

"Black kids should not be out there just doing drugs," said six-year alumna member, Petra Martin. "They have the churches to look to. If one person is to remember that, it's worth it."

Although some of the Maryland Gospel choir members receive credit for the class, many members remain in the choir after graduation for its fellowship and support.

"[Being in the choir] has been an experience I've never had before," continued Martin. "It has been more influential than any class I ever had because you learn more than just music, but about life, mainly from each other's experiences. I know when I was [an undergraduate], I always knew if I ever felt lonely, I could not just turn to one person, but to a whole choir. It's definitely brought me closer to God."

"We're more concerned about each other's spiritual growth, and each other's accomplishments instead of being selfish," said choir assistant chaplain, Dorena Barbour. "We are a close-knit group but we are not a clique."

Choir president and three-year member, Stacy Jones puts it this way, "It's not just a choir, it's not just a class, it's not just a campus organization, it's a family."

Patricia Gay

Wilson Play Opens Theatre Season

The Rimers of Eldritch, Lanford Wilson's dim view of small town life, will open the University Theatre season, Oct. 16-21 and 23-28, in the Rudolph E. Pugliese Theatre.

"It seems that there are two basic views of small town life," says director Ron O'Leary, associate professor of theatre.

"There is the positive view. People know each other, they know each others' parents. If you're at the store and don't have the money to pay for something, the store

owner will give you credit because he knows you. That's the side of small town life that can be very supportive and comforting," he says.

"Then there is the dark side. Everybody is constantly aware of what everybody else is doing. There are prejudices—certain people are ostracized. It can be very suffocating. This play focuses on the dark side," he adds.

The play takes place in a former coal-mining town in the Midwest which has become increasingly de-

pressed with the loss of its central industry. When the play opens, the population has dwindled to 70 and is "a virtual ghost town," according to O'Leary.

In its setting and presentation, the University Theatre production explores how people are affected by a place that is in decline.

"We're trying to capture the effect of a town in which the life is being leeched out of it," O'Leary says.

For ticket information call 405-2201.

RESEARCH

Program to Focus on Science News and the Public

The University of Maryland at College Park Chapter of Sigma Xi, The Scientific Research Society, will present "Science in the Public Eye: The Importance of Communication," Thursday, Oct. 18 at 2 p.m. in Room 3201 of the J.M. Patterson Building. UM System Chancellor Donald Langenberg, president of the American Association for the Advancement of Science, will deliver the keynote address. Other speakers include L. George Wilson, a Congressional Science Fellow, Elliot Marshall, senior news staff writer at *Science* magazine, Robert Bazell, science correspondent for NBC News, Rita Colwell, professor of microbiology and president-elect of Sigma Xi, and Robert Park, professor of physics and director of the Washington office of the American Physical Society.

Superconductivity Center Continues Research, Expands Staff and Facilities



Richard L. Greene

Wide public interest in superconductor research has settled down in the four years since major materials discoveries first caused a flurry of excitement, but the university's Center for Superconductivity Research continues to conduct research, publish papers, and expand its facilities and staff.

"After the initial excitement a few years ago, researchers have gone back into the trenches and are facing reality," says Richard L. Greene, director of the center which operates on \$2.7 million per year in state funding and contracts. "We are not going to have levitated trains by next year, so we are focusing on basic understanding and on basic science."

According to Greene, much of his center's interest is focused on gaining greater knowledge of superconducting materials and on finding new, more practical ones.

The center is concentrating its efforts on six interconnected areas: synthesis, bulk properties, theory, thin films, microstructural charac-

terization, and superconducting electronics. In the area of synthesis, for example, the center is concentrating on developing new classes of superconductors, finding precursors for deposition of thin films, and preparing known superconductors for physical and chemical characterization.

"We want to tie in basic knowledge to the next level—practical uses," Greene says. "It will probably be a long time before we are able to find uses for superconductors in the home, but there are other likely commercial uses such as for microwave devices, satellite communications, infrared detectors and superconducting magnets."

Greene points out that superconducting magnets already are the major component in Magnetic Resonance Imaging (MRI), an important medical diagnostic technique now used in most hospitals.

"Our center is very much interdisciplinary," he says. "We have chemists, physicists, material scientists, and electrical engineers all

bringing their particular expertise to this science. It is this interaction that will advance our knowledge of superconductors."

Interdisciplinary research also can lead to greater funding through joint research proposals that make use of shared knowledge and facilities, Greene says.

As part of his expansion plans, Greene has added three outstanding new faculty members to the center's staff. Steven Anlage, an expert in thin film materials and microwave measurements, was recruited from Stanford University; Christopher J. Lobb, an expert on the properties of superconductors and superconducting devices, has arrived from Harvard University; and T. Venkatesan, an expert in the preparation and characterization of novel thin film materials, was recruited from Bellcore of Red Bank, N.J.

Greene plans to add two more faculty members soon. He also hopes to add additional positions through joint appointments with other departments.

As staff grows and research continues, the center's facilities also will expand with 10,000 square feet of laboratory and office space currently under construction and due for completion next year.

"My goal is to make this one of the best centers in the country," Greene says. "With the top people we have succeeded in recruiting, and with our excellent existing faculty, we can continue to enhance our reputation and increase our outside funding."

Fariss Samarrai

Aerospace Engineering, NASA to Sponsor International Waverider Symposium

The Department of Aerospace Engineering and the National Aeronautics and Space Administration will sponsor the 1st International Hypersonic Waverider Symposium October 17-19. The conference will be held at the Center of Adult Education.

Research on all aspects of hypersonic flight (speeds in excess of five times the speed of sound) experienced a resurgence in the 1980s, notes aerospace engineering professor John D. Anderson, Jr. who served as general organizer of the symposium. Part of this renewed interest includes a focus on high lift-to-drag hypersonic vehicles.

Anderson and his department colleague Mark J. Lewis served on the symposium organizing commit-

tee and will chair several of the conference sessions.

The waverider concept, first introduced in the 1950s, has been re-examined recently as an aerodynamically efficient hypersonic configuration with promising results in such diverse areas as hypersonic atmospheric flight, orbital transfer, entry into planetary atmospheres and others.

The Maryland conference will bring together more than 100 waverider experts from around the world to share information about their research. Technical sessions will focus on optimization and design, mission application, experimental investigations, analytical studies, and computational fluid dynamic applications, Anderson says.

Researchers from this country, New Zealand, England, the U.S.S.R., Japan, Canada, Japan, Taiwan, Israel, Scotland, and Germany will present papers.

Tom Otwell



Program Encourages Students to Pursue Advanced Studies

Faculty and staff members from a number of academic departments and colleges will make presentations on "Opportunities for Graduate and Professional Education," for academically talented junior and senior undergraduates beginning at 3:30 p.m. Thursday, Oct. 18, in Room 1240 of the Zoo/Psych Building. The program, which will feature a keynote address by Sandra Greer, chair of the Department of Chemistry, is part of a university-wide initiative to encourage talented students to pursue graduate and/or professional studies. The program is jointly sponsored by the Offices of Undergraduate and Graduate Studies. For more information call 405-9355.

F.Y.I.

Equity in the Academy



President
William E. Kirwan

The following is excerpted from remarks made by President William E. Kirwan at a program on Sept. 25 honoring Communications Associate Professor Vicki Freimuth, the university's 1990 Woman of the Year.

...To achieve equity in the academy, I am convinced we must shift the types of questions we ask and the nature of the solutions we propose. Although we have to continue to work to improve the participation rate of women and people of color throughout our institutions, we can no longer allow these initiatives to be the sole focus of our efforts. To bring about fundamental and lasting change, we must give increased attention to the transformation of institutional cultures. Only through affirmation of multiple traditions and multiple perspectives can we begin to change the norms by which we operate.

Permanent change of these norms must be the goal for the University of Maryland at College Park. To attain this goal, we need plans, resources and leadership. I would like to address each of these areas briefly.

Our most comprehensive set of current initiatives is guided by a three-year plan to improve undergraduate women's education (The Greer Report). We are beginning the third year of implementation of this report under the leadership of Betty Schmitz, special assistant to the president, and we have already accomplished a tremendous amount:

◀ We have added three new full-time positions to Women's Studies, creating one of the strongest and most diverse programs in the country, a program that, I am proud to say, has considerable expertise on U.S. women of color and women internationally. I want to commend Evelyn Beck again this year for her extraordinary leadership of the Women's Studies Program and the program's successful efforts in recruiting excellent faculty to the campus.

◀ As part of the implementation of the Greer Report, we also have established and funded for three years an intensive summer institute for faculty members so that they can incorporate feminist scholarship into their courses. In this program, fifteen faculty members have an opportunity each summer to reevaluate the underpinnings of their disciplines in light of new perspectives on women and to incorporate their findings into courses central to undergraduate education. This highly innovative program was organized by Betty Schmitz and is now directed by Deborah Rosenfelt of the Women's Studies Program.

◀ We have set up a comprehensive program of education for faculty members and graduate

teaching assistants on improving the classroom climate for all students. Through this program, coordinated by Betty Schmitz, Pamela Paul and Roger McIntire, we hope to begin to remove the subtle, sometimes subconscious forms of bias that exist in the classroom environment.

◀ And we have initiated programs to reduce gender disparity in academic fields of study and in the faculty and staff of the institution. As one example, we have initiated summer outreach programs for junior high and high school students to explore the fields of science and engineering. This year we brought 61 young women to our campus for periods of up to six weeks to give them an experience working with our faculty and in our laboratories....The Women in Engineering Program is directed by Marilyn Berman; the Minority Scholars in Computer Science and Engineering Program is directed by Rosemary Parker, Thelma Williams and La Wanda Assem; and the new Physics Summer Outreach Program is coordinated by Angelo Bardasis....

To ensure that progress on women's equity issues continues—indeed becomes institutionalized—I have asked that the Greer Committee provide me this year with an assessment of our effort to improve undergraduate women's education and to make recommendations on additional steps this institution must take to achieve our ultimate goals of gender equity.

More permanent oversight of the status of women on campus is provided by the President's Commission on Women's Affairs....I want to take this opportunity to welcome the new chair of the commission, Josephine Withers, associate professor of Art History and affiliate faculty member in Women's Studies. Also I want to thank once again Virginia Beauchamp for her excellent leadership of the commission of the past three years.

Josephine has indicated to me that the agenda for the commission for this coming year will include: continued attention to questions of diversity, day care and elder care, equity in women's athletics, hiring and promotion of women of all races, salary equity, as well as new initiatives such as a review of the campus climate for classified and associate staff and attention to reduction of heterosexism and homophobia on the campus.

Another important initiative beginning this year comes from the Office of Human Relations Programs under the leadership of Gladys Brown. It is a comprehensive sexual harassment training program. I want to commend Gladys on the very fine manual she and her staff developed and assure her of ongoing administrative support for this vitally important effort.

These plans, programs and initiatives need resources....I want to assure that in making the required cuts this year, we will place the highest on preserving our gains in the areas of diversity and equity and continue to strive to meet the goals for equity and diversity that are built into our five-year enhancement plan....

Finally, to attain our goals for women's equity, we need leadership. This annual event is one way we recognize women who are outstanding in their fields. We are where we are today—a national leader in implementing change for women—due to the work of many campus leaders—both women and men—who have worked for women's rights over the past decades. The person we honor today, Vicki Freimuth, associate professor in the Department of Communication, is such a person—a role model. In addition to Vicki's contributions to the field of health education, she served as chair of the Women's Commission and as a member of the Greer Committee. In these roles, she has made substantial contributions to shaping this institution's vision for change.

We need more leaders of this kind and we are taking steps to ensure that we will have them. The Center for Political Participation and Leadership, so ably directed by Georgia Sorenson, annually brings together established women political leaders with women aspiring to lead.

As another step toward developing women leaders on this campus, I plan to initiate—next year—an internship program in my office for women faculty members to work on women's and other issues at the campus level....

We will also continue to seek and support other opportunities for leadership development. I am proud to announce that this year Judy D. Olian, associate professor, College of Business and Management, is serving as an American Council on Education Fellow in my office.

Next spring College Park will co-sponsor—with the American Council on Education—a meeting of presidents of public research universities that have comprehensive plans to improve the status of women on campus. This meeting will enable us to compare initiatives and strategies for addressing some of the persistent problems, to move to a new level of commitment on these issues, and to explore new, transformative models for change.

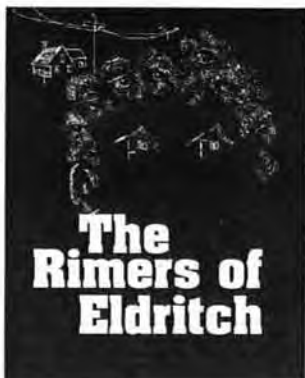
There is today no model university that truly reflects the diversity of our society and that truly affirms the multiple traditions and perspectives that have shaped it. I sincerely believe we have the opportunity to create such a university at College Park....

CALENDAR

Cooperative Learning Workshop Scheduled for October 18

A cooperative learning workshop for faculty, staff and teaching assistants, will be held Thursday, Oct. 18 from 9:30 a.m. to 12:30 p.m. in the Maryland Room of Marie Mount Hall. The workshop, sponsored by the Dean for Undergraduate Studies and the Center for Teaching Excellence, will provide a variety of cooperative learning techniques that are modeled, demonstrated and discussed in terms of their applicability to college classes. For information, call Jim Greenberg at 5-2355.

OCTOBER 15-24



15 MONDAY

Art Gallery Exhibition: "Trouble in Paradise," today-Oct. 26, The Art Gallery, Art/Soc. Call 5-2763 for info.

Art Exhibition: "Cultural Diversity: Creating Awareness by Design," today-Oct. 27, Parents Association Art Gallery, opening reception & program, 5-7 p.m., Oct. 17. Call 4-2787 for info.

Health Insurance Open Enrollment Meeting: for departmental secretaries & payroll clerks, 10 a.m.-noon, Colony Ballroom, Stamp Student Union. Call 5-5648 for info.

Returning Students' Workshop: "Assertiveness," 11 a.m.-noon, 2201 Shoemaker. Call 4-7693 for info.

Center for International Extension Development Colloquium: "Institutional Development: Incentives to Performance in Agricultural Extension," Arturo Israel, The World Bank, noon (bring brown bag lunch), 0115 Symons. Call 5-1253 for info.

Returning Students' Workshop: "Exam Skills," 2-3 p.m., 2202 Shoemaker. Call 4-7693 for info.

Computer Science Colloquium: "Proof Outlines of the Past," Fred B. Schneider, Cornell U., reception, 3:30 p.m., 1152 A.V. Williams., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Space Science Seminar: "Ionospheric Modification by Electromagnetic Radiation," Harvey Rowland, Naval Research Lab, 4:30 p.m., 1113 Computer & Space Sciences. Call 5-4829 for info.

16 TUESDAY

Employee Development Seminar: "Overview of Financial and Business Services," 9 a.m.-2 p.m., Maryland Room, Marie Mount. Call 5-5651 for info.

Center for International Security Studies' MacArthur Speaker: "Soviet Conventional Arms Control Policy," Roy Allison, U. of Birmingham, England, noon, Student Lounge, Morrill Hall. Call 80-9114 for info.

Women's Soccer vs. N.C. State, 2 p.m., Soccer Field. Call 4-7064 for info.

Physics Colloquium: "Angles and Phases in Quantum Mechanics," R. W. Jackiw, MIT, 4 p.m., 1410 Physics, reception, 3:30 p.m. Call 5-5980 for info.

Feminist Philosophy Lecture: "Virgin, Mother or Person?" Nina Karin Monsen, author, 4 p.m., 3205 Jimenez. Call 5-4096 for info.

Film Showing: "Romero," discussion on Central American Region to follow, 4-6 p.m., Non-Print Media Center, Hornbake Library. Call 5-8458 for info.

SEE Productions Guest Speaker, Donald Woods, anti-apartheid journalist & author, 7:30 p.m., Colony Ballroom, Stamp Student Union. Call 4-8342 for info.

Women's Field Hockey vs. James Madison, 7 p.m., Astro turf Field. Call 4-7064 for info.

University Theatre: "The Rimers of Eldritch," today-Oct. 21 & 23-28, 8 p.m., Sunday matinees, 2 p.m., Pugliese Theatre. Call 5-2201 for info.

University of Maryland Concert Band & Symphonic Wind Ensemble: L. Richmond Sparks & John Wakefield, conductors, 8 p.m., Memorial Chapel. Call 5-5542 for info.

17 WEDNESDAY

Sexual Harassment Education Workshop, for vice presidents, deans, directors, & department chairs, today & tomorrow, 9:30-11:30 a.m., 2118 Lee. Call 5-2837 for info.

Music Lecture: "The Artistry of Lili Kraus, distinguished Hungarian Pianist," Frans Schreuder, Rotterdam Conservatorium, Netherlands, 11:30 a.m.-1 p.m. & 2-3 p.m., 3216 Hornbake Library. Call 5-9215 for info.

Research and Development Meeting: "The ElderCare/Caregiver Issue on the UMCP Campus," Helen O'Ferrall, Agricultural Experiment Station, noon-1 p.m., 0114 Shoemaker. Call 4-7691 for info.

Academic Affairs Professional Staff "Brown Bag" Lunch: "Managing Diversity in the Workplace: Understanding Different Cultures," 12:30-2 p.m., Maryland Room, Marie Mount. Call 5-5620 for info.

Architecture Lecture, Alan Plattus, Yale U., 7:30 p.m., Architecture Auditorium. Call 5-6284 for info.

Zoology Seminar: "Episodic Ticks of the Molecular Clock," John Gillespie, U. of California at Davis, 3:30 p.m., 1208 Zoo/psych. Call 5-6884 for info.

Astronomy Colloquium: "Modern Methods in Astronomical Photography," David Malin, Anglo Australian Observatory, Australia, 4 p.m., 1113 Computer & Space Sciences, reception, 3:30 p.m. Call 5-1524 for info.

Women's Volleyball vs. George Washington, 8 p.m., Cole Field House. Call 4-7064 for info.

University Theatre: "The Rimers of Eldritch," 8 p.m., Pugliese Theatre. See Oct. 16 for details.

18 THURSDAY

Sigma Xi Science Lecture: "Science in the Public Eye: The Importance of Communication," featuring UM System Chancellor Donald Langenberg and others, 2-4 p.m., 3201 Patterson. Call 5-1799 for info.

Graduate School Information Workshop, 2:30-4:30 p.m., 2203 Art/Soc. Call 5-9355 for info.

Graduate & Professional Education Encouragement Seminar, small group seminars in six different colleges, 3:30-5:30 p.m. Call 5-9355 for info.

Meteorology Seminar: "Precise Monitoring of Global Tropospheric Trends From Satellites," Roy W. Spencer & John R. Christy, Marshall Flight Center, Huntsville, AL, 3:30 p.m.,

2114 Computer & Space Sciences, refreshments, 3 p.m. Call 5-5392 for info.

Society for Human Resource Management Meeting, 5 p.m., 1102 Tydings, Happy Hour to follow. Call 4-2481 for info.

University Theatre: "The Rimers of Eldritch," 8 p.m., Pugliese Theatre. See Oct. 16 for details.

19 FRIDAY

Equity Council Conference III: "Recruiting and Retaining Black Faculty and Staff," 8:30 a.m.-5:15 p.m., Stamp Student Union. Call 5-2838 for info.

Collective Choice Center Conference, Peter Coughlin, Economics; Iain McLean, University College, Oxford; Thomas C. Schelling, Economics; & Piotr Swistak, Government & Politics, 9 a.m.-5:30 p.m., Rossborough Inn. Call 5-3507 for info.

Geology Seminar: "The Geology and Mineralogy of the Bennett Pegmatite, Maine," Michael Wise, Smithsonian Institution, 11 a.m., 0105 Hornbake Library. Call 5-2783 for info.

"Lunch n' Learn" Mental Health Lecture: "Doing an Intimacy Assessment in Couples' Work," Linda Levine, counselor, 1-2 p.m., 3100E Student Health Center. Call 4-8106 for info.

World Food Prize Speaker: "Feeding the World: New Strategies for Agricultural Development While Preserving the Environment," John S. Niederhauser, 2 p.m., 1240 Zoo/psych, reception following. Call 5-4776 for info.

Environmental Chemistry/Meteorology Seminar: "Atmospheric Deposition of Chemical Species—Now and as It Might Be," Bruce Hicks, Air Resources Lab, NOAA, 3 p.m., 1325 Chemistry. Call 5-1860 for info.

Women's Soccer vs. American, 3 p.m., Soccer Field. Call 4-7064 for info.

University Theatre: "The Rimers of Eldritch," 8 p.m., Pugliese Theatre. See Oct. 16 for details.

University Chorale Fall Concert, 8 p.m., Tawes Recital Hall. Call 5-5537 for info.

20 SATURDAY

11th Annual "Terrapin Trot" 5K Road Race, 9 a.m., in front of Stamp Student Union & Health Center. Award Ceremony, noon, Hoff Theatre. Call 4-8495 for info.

Women's Volleyball vs. Virginia, 4 p.m., Cole Field House. Call 4-7064 for info.

Women's Volleyball vs. LaSalle, 7 p.m., Cole Field House. Call 4-7064 for info.

University Theatre: "The Rimers of Eldritch," 8 p.m., Pugliese Theatre. See Oct. 16 for details.

University Community Concerts, Takacs Quartet, program TBA, 8 p.m., Center of Adult Education, \$17 standard admission, \$14.50 students & seniors. Call 80-4239 for info.

21 SUNDAY

University Theatre: "The Rimers of Eldritch," 2 p.m. & 8 p.m., Pugliese Theatre. See Oct. 16 for details.

22 MONDAY

Art Gallery Exhibition: "Trouble in Paradise," today-Oct. 26, The Art Gallery, Art/Soc. Call 5-2763 for info.

Employee Development Seminar: "Speaking Confidently," today, Sept. 24 & 26, 9 a.m.-noon, 0306 Benjamin. Call 5-5651 for info.

Center for International Extension Development Colloquium: "Institutional Development in Agriculture Development: Focus on Research and Extension," Alain Tobelem, International Development Specialist, noon (bring brown bag lunch), 0115 Symons. Call 5-1253 for info.

Women's Commission Meeting, noon-1:30 p.m., 2105 Main Administration. Call 5-5806 for info.

Computer Science Colloquium: "Improving Software Productivity," Barry Boehm, DARPA-ISTO, UCLA, reception, 3:30 p.m., 1152 A.V. Williams., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Zoology Seminar: "The Limits to Population Viability," Mark L. Shaffer, U.S. Fish & Wildlife Service, Washington D.C., noon, 1208 Zoo/psych. Call 5-6949 for info.

Annual Faculty & Staff Convocation, 3 p.m., Memorial Chapel. Call 5-4622 for info.

Writers Here & Now Reading, Linda Hogan, poet, 3:30 p.m., 3101 McKeldin Library (Katherine Anne Porter Room). Call 5-3819 for info.

Physics Colloquium: "The Zero Experiment: Microgravity Critical Fluid Light Scattering in Earth Orbit," Robert Gammon, Institute for Physical Science & Technology, 4 p.m., 1410 Physics, reception, 3:25 p.m. Call 5-5980 for info.

University Theatre: "The Rimers of Eldritch," today-Oct. 28, 8 p.m., Sunday matinee, 2 p.m., Pugliese Theatre. Call 5-2201 for info.

University Chorale to Sing Free Annual Fall Concert



In early summer, the University Chorale (some members are seen above with a poster for their Krakow, Poland concert), under the direction of Roger J. Folstrom, sang in and toured Poland and areas of the Soviet Union. On Friday, Oct. 19 at 8 p.m. in Tawes Recital Hall, when the Chorale presents its annual fall concert, it will include performances of the most popular selections from the summer tour—spirituals and Broadway music. Also on the program will be music by Handel, Schumann, and Rene Clausen. There is no charge for the concert; call 405-5537 for information.

Campus Senate Meeting, 3:30-6:30 p.m., 1026 Reckord Armory. Call 5-5805 for info.

Space Science Seminar: "Modulation of Galactic Cosmic Rays," Evelyn Tuska, Bartol Research Institute, U. of Delaware, 4:30 p.m., 1113 Computer & Space Sciences. Call 5-4829 for info.

Women's Studies Lecture: "The Women's Health Movement in the United States: Past, Present, and Future," Judy Norsigian, Boston Women's Health Book Collective, 8 p.m., 2203 Art/Soc. Call 5-6877 for info.

Guarneri String Quartet Open Rehearsal, 7 p.m., Tawes Recital Hall. Call 80-4239 for info.

23 TUESDAY

Sexual Harassment Education Workshop, for vice presidents, deans, directors, & department chairs, today & Thurs., Sept. 25, 9:30-11:30 a.m., 2118 Lee. Call 5-2837 for info.

24 WEDNESDAY

Counseling Center Research & Development Meeting: "Center for the Prevention and Control of Substance Abuse: A New UMCP Resource," Raymond Lorion, Psychology, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

Astronomy Colloquium: "Self Consistent Models of Spiral Galaxies," George Contopoulos, Florida State U., 4 p.m., 1113 Computer & Space Sciences, reception, 3:30 p.m. Call 5-1524 for info.

University Theatre: "The Rimers of Eldritch," 8 p.m., Pugliese Theatre. See Oct. 23 for details.

* Admission charge for this event. All others are free.